



8TH

SANTORINI Conference

Biologie Prospective

SYSTEMS MEDICINE,
PERSONALISED HEALTH & THERAPY

3-5 October 2016 Nomikos Conference Center

Thira-Santorini / Greece www.santoriniconference.org

Preliminary program with speakers

DAY 1- 3 October 2016

8:00-8:30 **Registration**

8:30-10:30 **Session I – From systems biology to systems medicine**

Chair: Charles Auffray, Lyon, France / Gérard Siest, Nancy, France

- **Gérard Siest, Nancy, France - Opening**
- **Charles Auffray, Lyon, France - The Strategic Vision and Implementation plan of the newly formed European Association of Systems Medicine**
- **Klaus Lindpaintner, Waltham, USA - Overview of systems medicine and pharmacogenomics.**

10:30-11:00 – Coffee Break and first poster visit

11:00-13:00 **Session II – Systems pharmacogenomics and mechanism of drug action**

Chairs: Urs Meyer, Basel, Switzerland / Peter Meier-Abt, Bern, Switzerland

- **Susan Gasser, Basel, Switzerland – Epigenetics and mechanism of anti-cancer drugs**
- **Ravi Iyengar, New York, US – Network analysis to identify multiscale mechanisms of drug action**
- **John Ryals, Madrid, Spain - Plasma metabolomic profiles enhance precision medicine**

13:00-14:00 – Lunch Break and poster visit

14:00-16:00 **Session III - Cellular targets in onco-hematology**

Chair: Marc Ansari, Geneva, Switzerland

- **Marc Ansari, Geneva, Switzerland – Stem cells and enzymatic target**
- **Pierre-Yves Dietrich, Geneva, Switzerland - Tumor immunity and immunotherapy**
- **Aurore Perrot, Nancy, France - The myeloma targets**

16:00-16:30 – Coffee Break and poster visit

16:30-18:30 **Session IV - Genomics of Alzheimer disease**

Chair: Allen Roses, Chapel Hill, US

- **Maria Isaac, London, United Kingdom**
- **Allen Roses, Chapel Hill, US**
- **Lynn Bekris, Washington, US - Functional analysis of APOE locus genetic variation implicates regional enhancers in the regulation of both TOMM40 and APOE**

DAY 2 - 4 October 2016

8:30-10:00 **Session V - Omics studies of human phenotypes and environment**

Chair: *Martin Kussmann, Lausanne, Switzerland / Mario Noyer-Weidner, Munich, Germany*

- **Claudio Franceschi, Bologna, Italy - Genes and environment for human longevity**
- **Georges Dedoussis, Athens, Greece - Nutrigenomics and anti oxydants**
- **Robert Barouki, Paris, France – The exposome projects**

10:00-10:30 – Coffee Break and poster visit

10:30-12:00 **Session VI – Nutrition metabolic health and inter-organ relations**

Chair: *Roland P. Bühlmann, Basel, Switzerland*

- **Pierre Dechelotte, Paris, France - Nutrition and the gut-brain axis**
- **Andreas Papassotiropoulos, Basel, Switzerland - Epigenetic Signatures of Brain Aging**
- **Mark W. Hamrick, Augusta, US – Skeletal muscle secretome: an emerging player in muscle**

12:00-13:30 ESPT GENERAL ASSEMBLY

13:30-14:30 – Lunch Break and poster visit

14:30-15:30 **Prospective conference – Hot Topic**

Use of CRISPR Cas9 for pharmacogenomics and personalised health and diseases

- **Brigitte Pertuiset – GE Healthcare -**

AFTERNOON FREE

CLOSED MEETINGS

21:00 – DINNER at Pyrgos restaurant

Panel discussion: The future of personalised medicine and personalised therapy. Towards immunology?

Chair: *Marc Ansari, Geneva, Switzerland / Gérard Siest, Nancy, France*

With the participation of:

- ✓ **Magnus Ingelmann Sundberg, Stockholm, Sweden (Skype)**
- ✓ **Munir Pirmohamed, Liverpool, United Kingdom (Skype)**
- ✓ *And the panel of attendees*

DAY 3 - 5 October 2016

8:30-10:30 **Session VII - Pharmacogenomics and personalised / stratified therapy**

Chair: *Ron Van Schaik, Rotterdam, The Netherlands*

- **Juan Sebastian Saldivar – San Diego – USA - Initial assessment of the benefits of implementing pharmacogenetics into the medical management of patients in a long-term care facility**
- **Julia Stingl, Bonn, Germany - Clinical trials for personalised therapy**
- **Chantal Guillemette, Quebec, Canada - Metabolomics, micro RNAs.. related to cancer**

10:30-11:00 – Coffee Break and last poster visit

11:00-13:00 Session VIII - Genomic biomarkers and management of metabolic diseases

Chair: Winfried März, Augsburg, Germany

- **Winfried März, Augsburg, Germany – PCSK9 and Pharmacogenomics**
- **Sophie Siest, Nancy, France – Epistasis and candidate genes in hyperlipemia**
- **Philippe Froguel, Lille, France – Genomic stratification and diabetes**
- **Steffen Gay, Zurich, Switzerland - Interplay between epigenetic mechanisms in Rheumatic Disorders**

13:00 Poster awards

13:30-14:30 – Lunch Break

14:30-16:00 Session IX - New biomarker and companion diagnostic

- **Bibiana Bielekova, Bethesda, US- How implementation of systems biology into clinical trials accelerates understanding of diseases**
- **Georges Weryha, Nancy, France – Osteoporosis in the age of biotherapies with anti-sclerostin**
- **Sean Scott, - Searching NGS list interpretation and reporting in oncology**

16:00-17:00 Round Table

The future of systems medicine and systems pharmacology – How to translate the big data for the clinicians and personalised therapy

Discussion leaders: Charles Auffray, Lyon, France / Christina Kyriakopoulou, Brussels, Belgium

Panel discussion

- **Kirsten Steinhausen, European Science Foundation, Strasbourg, France**
- **Pierre Meulien, IMI, Brussels, Belgium**
- **Wolfgang Ballensiefen, PerMed/ANR/BMBF, Bonn, Germany**
- **Denis Horgan, EAPM, Brussels, Belgium**